

Recombinant Human HSD17B14, His-tagged

Cat. No. HSD17B14-2877H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSD17B14 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	HSD17B14, also known as 17-beta-hydroxysteroid dehydrogenase 14, belongs to the 17-beta-HSD family of proteins, which regulate the availability of steroids within various tissues rough out the body. It exists as a homotetramer that localizes to the cytoplasm and is highly expressed in brain, placenta, liver and kidney.
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATG TRYAGKVVVV TGGGRGIGAG IVRAFNNSGA RVVICDKDES GGRALEQELP GAVFILCDVT QEDDVKTLVS ETIRRFGRLD CVVNNAGHHP PPQRPEETSA QGFRQLLELN LLGTYTLTKL ALPYLRKSQG NVINISLVG AIGQAQAVPY VATKGAVTAM TKALALDESP YGVRVNCISP GNIWTPWEE LAALMPDPRA TIREGMLAQP LGRMGQPAEV GAAAVFLASE ANFCTGIELL VTGGAELGYG CKASRSTPVD APDIPS.
Purity	> 95% by SDS – PAGE.
MW	32.4 kDa (306aa) confirmed by MALDI-TOF.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl, 1mM DTT.

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Concentration	1mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	HSD17B14 hydroxysteroid (17-beta) dehydrogenase 14 [Homo sapiens]
Synonyms	HSD17B14; (17-beta) dehydrogenase 14; UNQ502/PRO474, DHRS10, SDR47C1, retSDR3; 17-beta-HSD 14; 17-beta-hydroxysteroid dehydrogenase 14; 17-beta-hydroxysteroid dehydrogenase DHRS10; dehydrogenase/reductase (SDR family) member 10; dehydrogenase/reductase SDR family member 10; retinal short-chain dehydrogenase/reductase 3; retinal short-chain dehydrogenase/reductase retSDR3; short chain dehydrogenase/reductase family 47C, member 1
Gene ID	51171
mRNA Refseq	NM_016246
Protein Refseq	NP_057330
MIM	612832
UniProt ID	Q9BPX1
Chromosome Location	19q13.33
Function	estradiol 17-beta-dehydrogenase activity; oxidoreductase activity; protein binding; testosterone 17-beta-dehydrogenase (NADP+) activity

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